3.1 Exam Answers

1. C 2. D 3. A 4. C 5. C 6. C 7. B 8. D 9. B 10. B 11. C 12. B

13. C 14. A 15. C

FRQ

1. Hershey & Chase showed that viruses transmit their nucleic acid (DNA/RNA) to other organisms. This was evidence that viruses transmit coded information via nucleic acids (versus proteins or fats or carbohydrates, etc.)

Avery, Macleod & McCarty showed that bacteria use DNA to code for their genetic traits. This was evidence that bacteria transmit coded information via nucleic acids (versus proteins or fats or carbohydrates, etc.).

1. A. An insertion or deletion can lead to frameshift. A substitution can lead to a missense.

B. Transformation, Transduction, Conjugation, Transposition

C. Induced Transformation, Gene Splicing, Induced Mutation